S/N No. : 9CD8303300

Service Manual

MICRO COMPONENT SYSTEM

Model: RH-433G(R)
RH-434G(R)
RH-435G(R)

DIGITAL ADVANCED TECHNOLOGY

DAEWOO DAT CO., LTD.

AFR. 2005

MICRO COMPONENT SYSTEM

RH-433G(R)
RH-434G(R)
RH-435G(R)

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Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCKS
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULTED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY

THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
- The safety and operating instructions should be retained for future reference.
- All warnings on the appliance and in the operating instructions should be adhered to.
- All operating and use instructions should be followed.

1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.

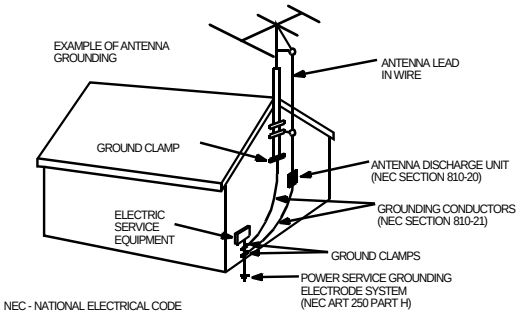
PORTABLE CART

Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by th manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

Safety Precautions

13.Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-dis charge unit, size of grounding conductors,location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.


EXAMPLE OF ANTENNA GROUNDING
ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250 PART H)
NEC - NATIONAL ELECTRICAL CODE

14.Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15.Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16.Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

a) The power-supply cord or the plug has been damaged; or

b) Objects have fallen, or liquid has been spilled into the appliance; or

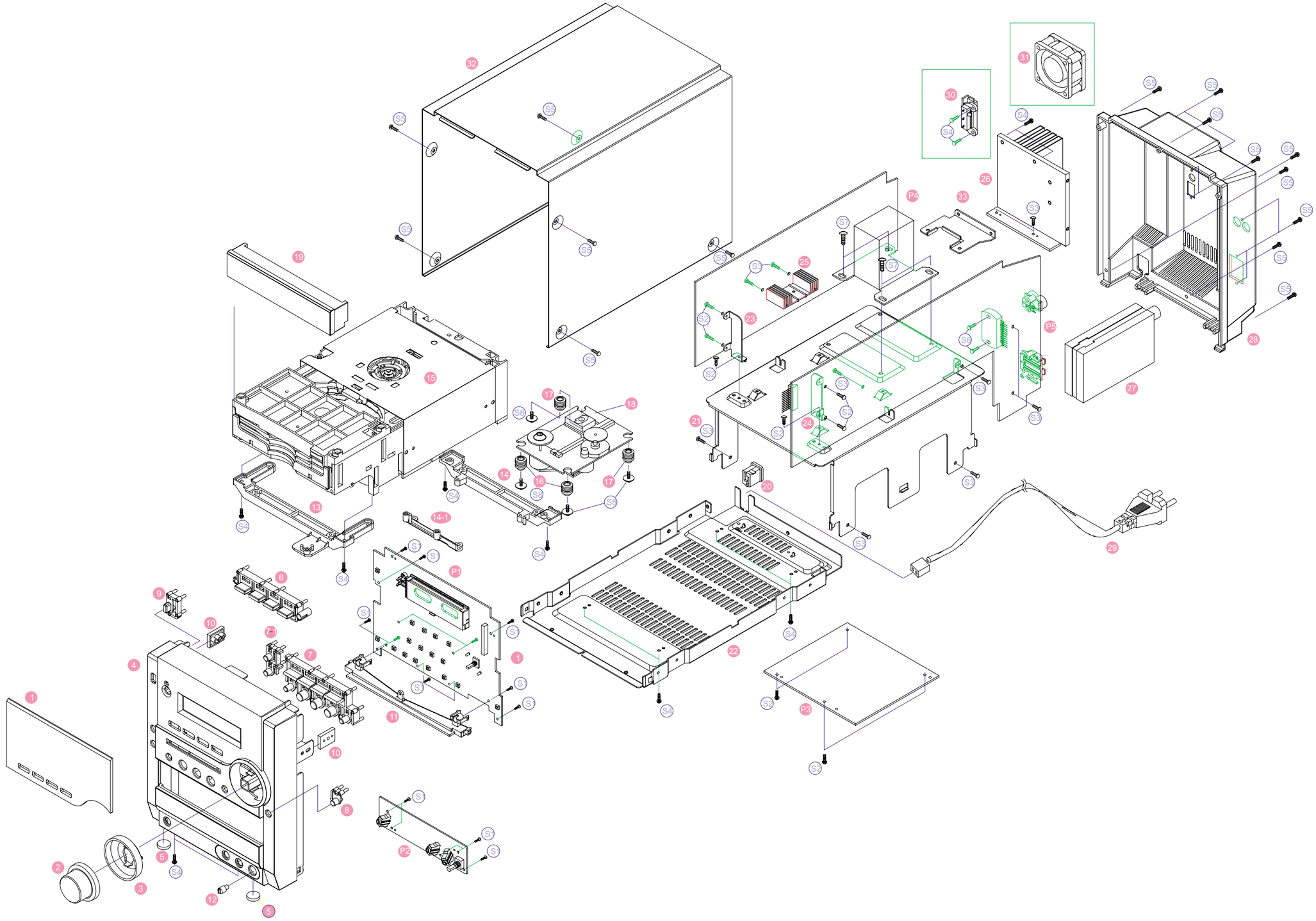
c) The appliance has been exposed to rain; or

d) The appliance does not appear to operate normally or exhibits a marked change in performance; or

e) The appliance has been dropped, or the enclosure damaged.

17.Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Exploded View and Mechanical Parts List



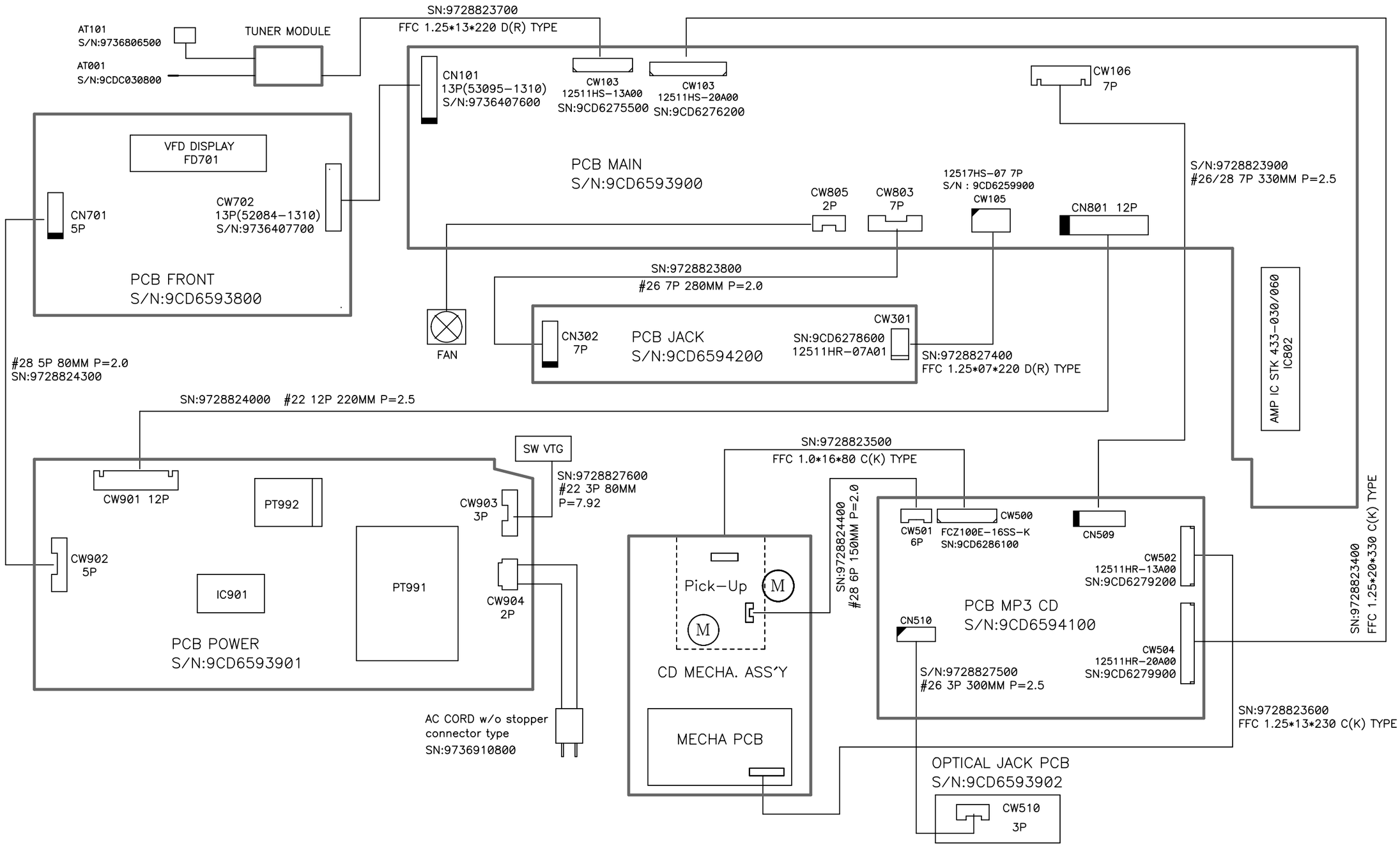
Exploded View and Mechanical Parts List

No.	Part Name	Part Code	Matrial	Q'ty	Remark
1	WINDOW FLT	9CD1621900	H/MIRROR	1	
2	KNOB VOLUME	9CD1352100	ABS	1	CR Coating
3	DECO VOLUME	9CD1006200	HIPS	1	
4	PANEL FRONT	9CD0313200	HIPS	1	
5	CUSHION FOOT	9CD4207700	URETHAN	2	
6	KNOB FUNCTION	9CD1352200	HIPS	1	
7	KNOB CONTROL	9CD1352300	ABS	1	CR Coating
7	KNOB DEMO	9CD1352310	HIPS	1	
8	KNOB OPEN	9CD1352600	HIPS	1	
9	KNOB POWER	9CD1352400	HIPS	1	
10	BRACKET SIDE	9CD2416300	HIPS	2	
11	DECO LIGHT	9CD1006300	ACRYL	1	
12	KNOB MIC	9CD1345500	MIPS	1	
13	BRACKET CD F	9CD24164F0	HIPS	1	
14	BRACKET CD B	9CD24164B0	HIPS	1	
14-1	BRACKET CD M	9CD24164M0	HIPS	1	
15	CD DECK MECHA	9CD6012400	CMP-0629	1	
16	RUBBER CD CUSHION	9CD420097B0	HIPS	1	
17	RUBBER CD CUSHION	9CD420097G0	HIPS	1	
18	CD DECK UNIT	9CD6006900	D-73S	1	
19	DOOR CD	9CD1814700	HIPS	1	
20	AC CORD STOPER	9CD5700500	66NYLON	1	
21	COVER CD	9CD0416800	SECC 1.0T	1	
22	CHASSIS BOTTOM	9CD0610400	SECC 1.0T	1	
23	BRACKET PCB L	9CD24165L0	SECC 1.0T	1	
24	BRACKET PCB R	9CD24165R0	SECC 1.0T	1	
25	HEAT SINK PW	9CD4409700	AL	1	
26	HEAT SINK	9CD4408700	AL	1	
27	TUNER MODULE	9737652001	A'SSY	1	Option
28	COVER BACK	9CD0416700	HIPS	1	
29	AC CORD	9736910900	PVC	1	Option
30	VOLT SW	5S30102377	ACRYL	1	
31	FAN	9738101700	A'SSY	1	Option
32	TOP COVER	9CD0202700	HIPS	1	
33	BRACKET PT	9CD2417700	SECC 1.0T	1	

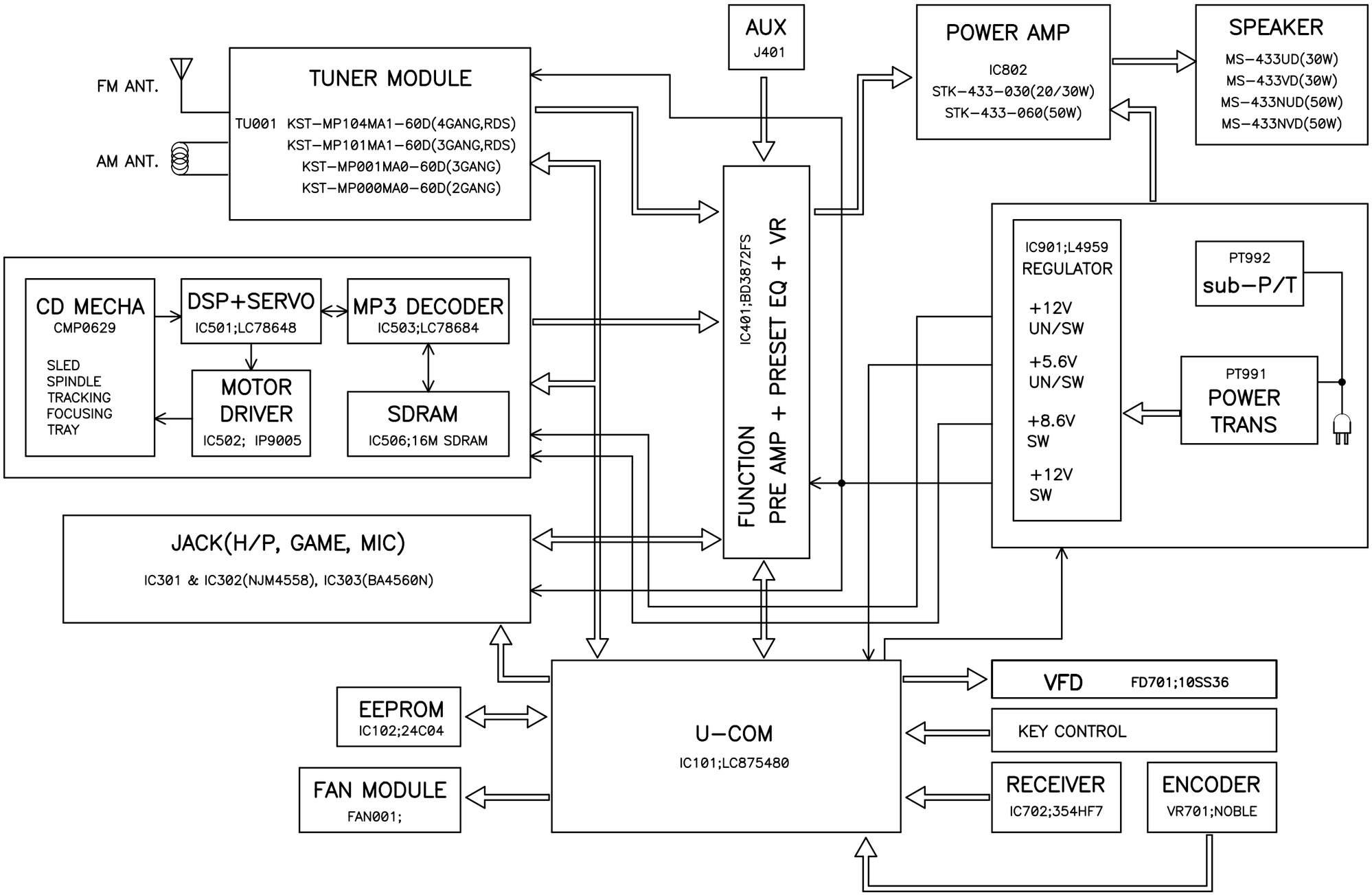
No.	Screw Type	Part Code	Matrial	Qty		
				433	434	435
S1	SCREW TAPTTITE	7173261011	TT2 BIN 2.6 X 10 MFZN	15	15	15
S2	SCREW TAPTTITE	7173300611	TT2 BIN 3.0X06 MFZN	10	10	10
S3	SCREW TAPTTITE	7173300811	TT2 BIN 3.0X08 MFZN	11	11	11
S4	SCREW TAPTTITE	7173301011	TT2 BIN 3.0X10 MFZN	14	14	14
S5	SCREW TAPTTITE	7173301012	TT2 BIN 3.0X10 BK	19	19	19
S6	SCREW TAPTTITE	7173301211	TT2 BIN 3.0X12 MFZN	2	2	2
S7	SCREW TAPTTITE	7173400611	TT2 BIN 4.0X6 MFZN	4	4	4
S8	SCREW TAPTTITE	9CD3103600	W/S TT2 BIN 2.6 X 8	4	4	4

No.	Part Name	Q'ty	Remark
P1	PCB FRONT	1	
P2	PCB SW	1	
P3	PCB CD	1	Option
P4	PCB POWER	1	
P5	PCB MAIN	1	

Wiring Diagram

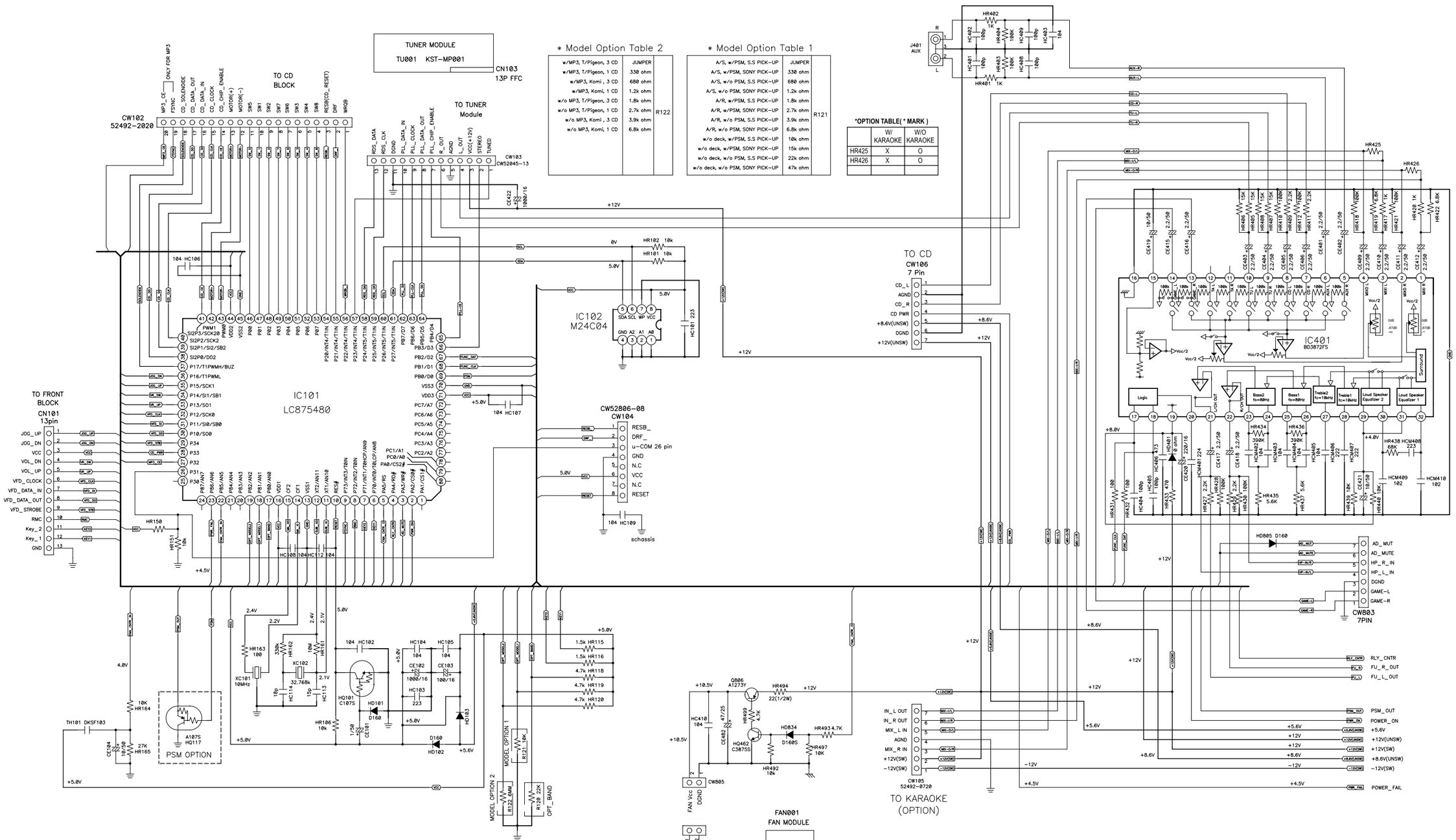


Block Diagram



Schematic Diagram

• MAIN

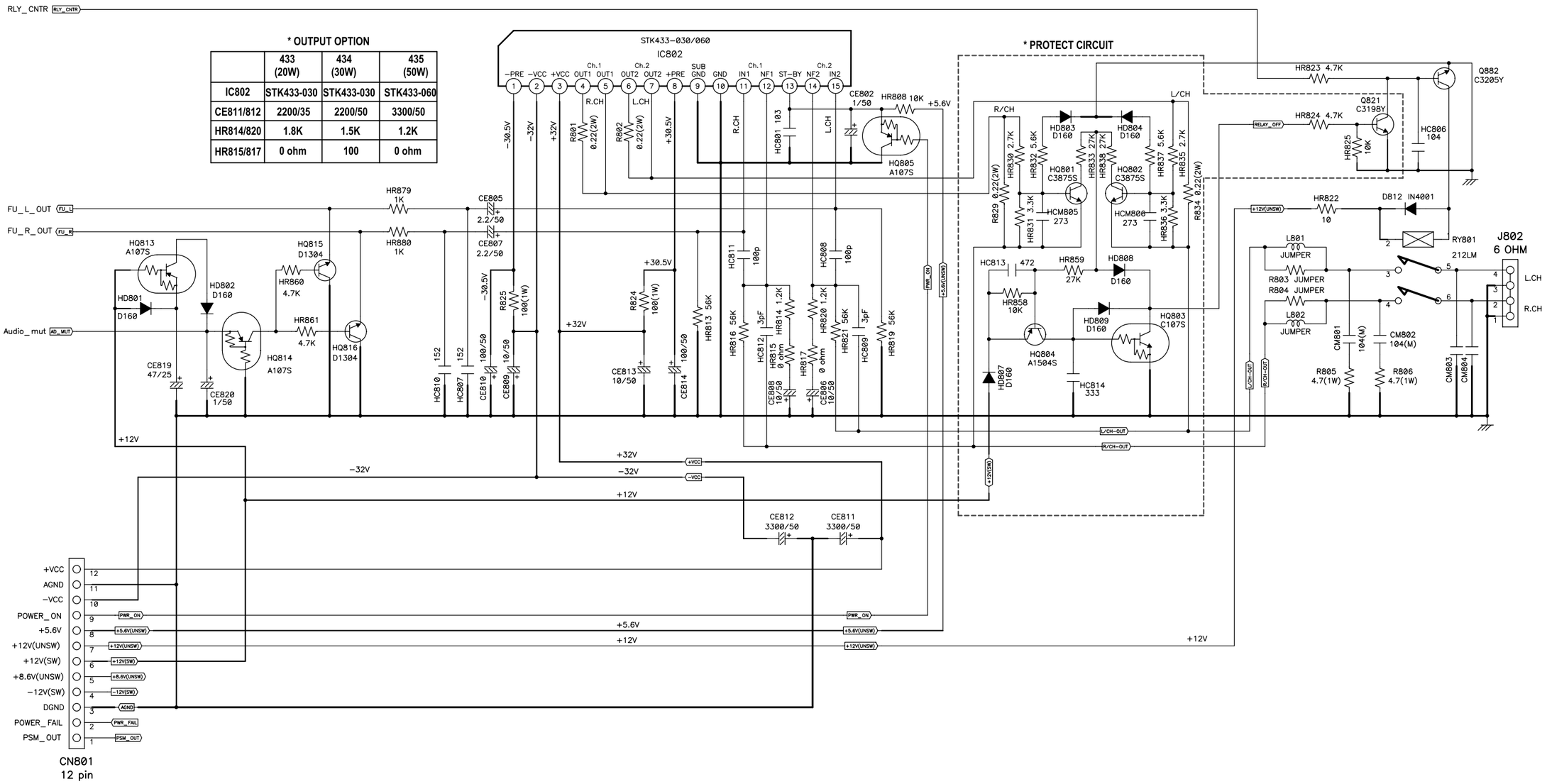


* TUNER BAND OPTION

Version / BAND	America 1/12Hr	America 2/24Hr	CIS/RDS/24Hr	Eur 2Band /24Hr	Japan /12Hr	Asia 1/12Hr	Asia 2/24Hr	CIS /24Hr	Latin Am /12Hr	Eur Rds 2b/24Hr
FM(MHz)/Step	FM 87.5-108/100	FM 87.5-108/100	FM 87.5-108/50	FM 87.5-108/50	FM 76-108/100	FM 87.5-108/100	FM 87.5-108/100	FM H:87.5-108/50	FM 87.5-108/100	FM 87.5-108/50
FM(MHz)/Step			FM L:65-71/10					FM L:65-71/10		
MW(kHz)/Step	AM 520-1710/10	AM 520-1710/10	MW 522-1620/9	MW 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 522-1620/9	AM 530-1620/10	MW 522-1620/9
R120	Jump	330	680	1.2K	1.8K	2.7K	3.9K	6.8K	10K	22K

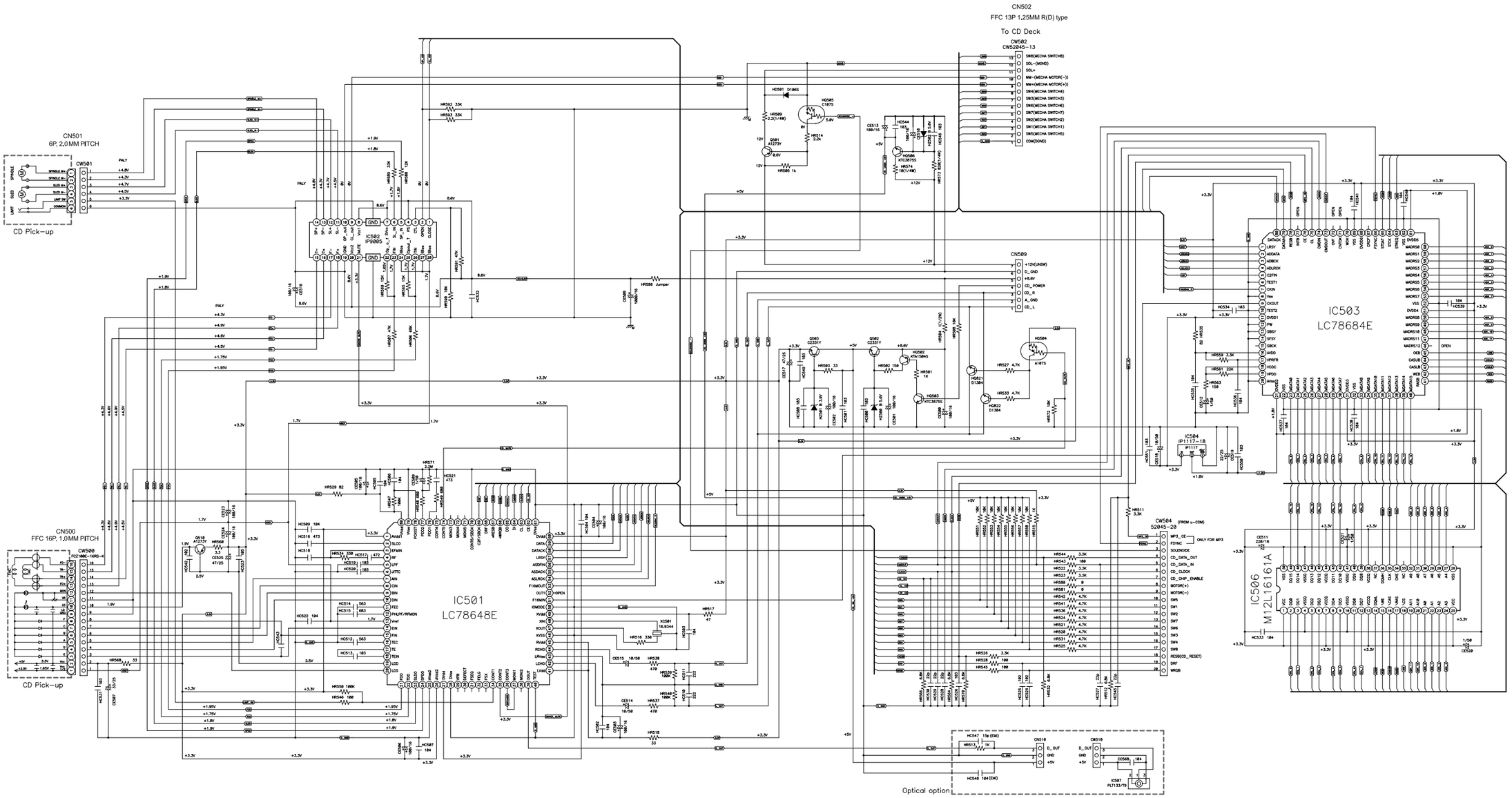
Schematic Diagram

• AMP



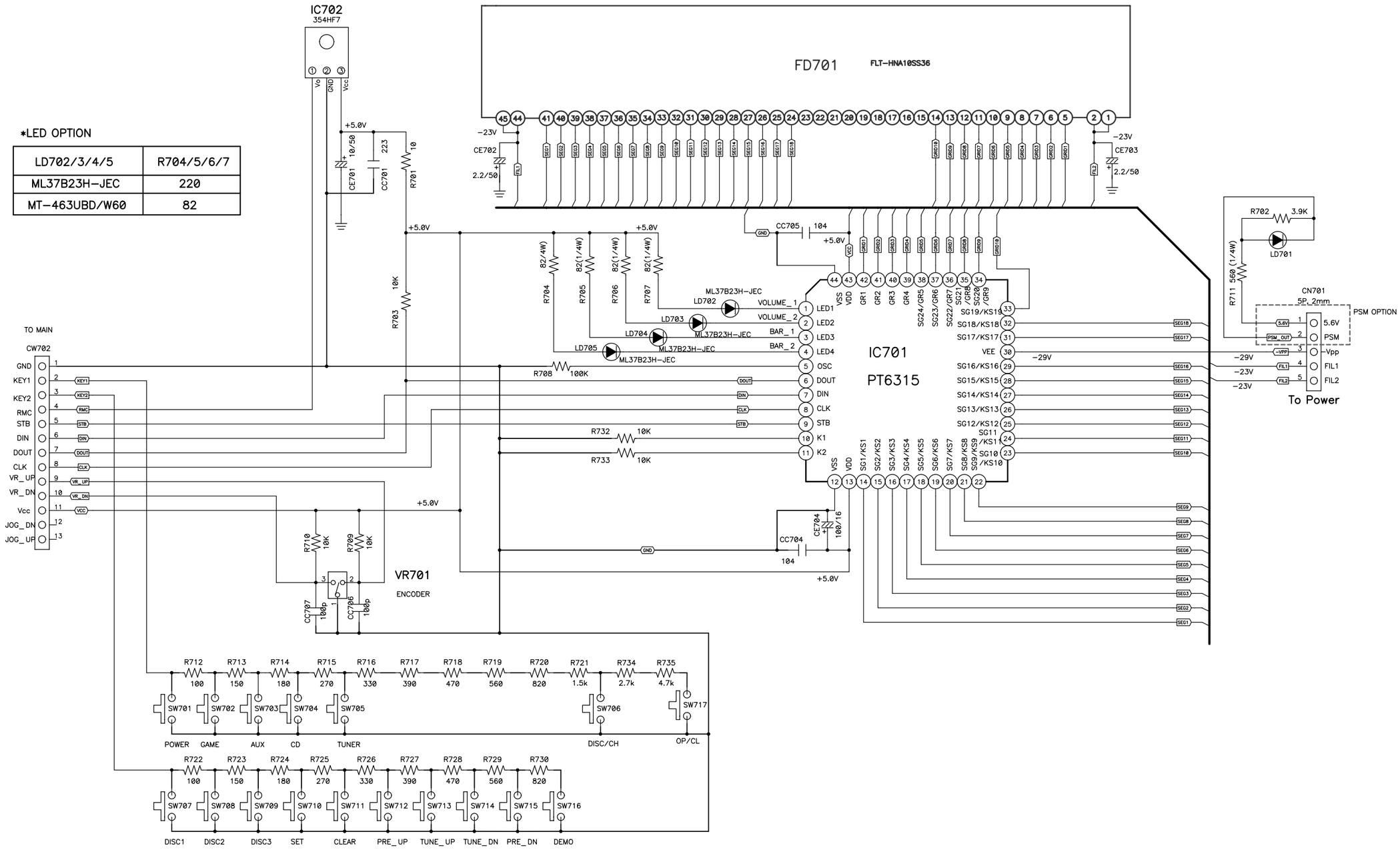
Schematic Diagram

- **MP3 CD**



Schematic Diagram

• FRONT



Schematic Diagram

• POWER

BEFORE RETURNING THE RECEIVER TO CUSTOMER, APPROPRIATE LEAKAGE CURRENT OR RESISTANCE SHOULD BE CONDUCTED TO DETERMINE THAT EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT

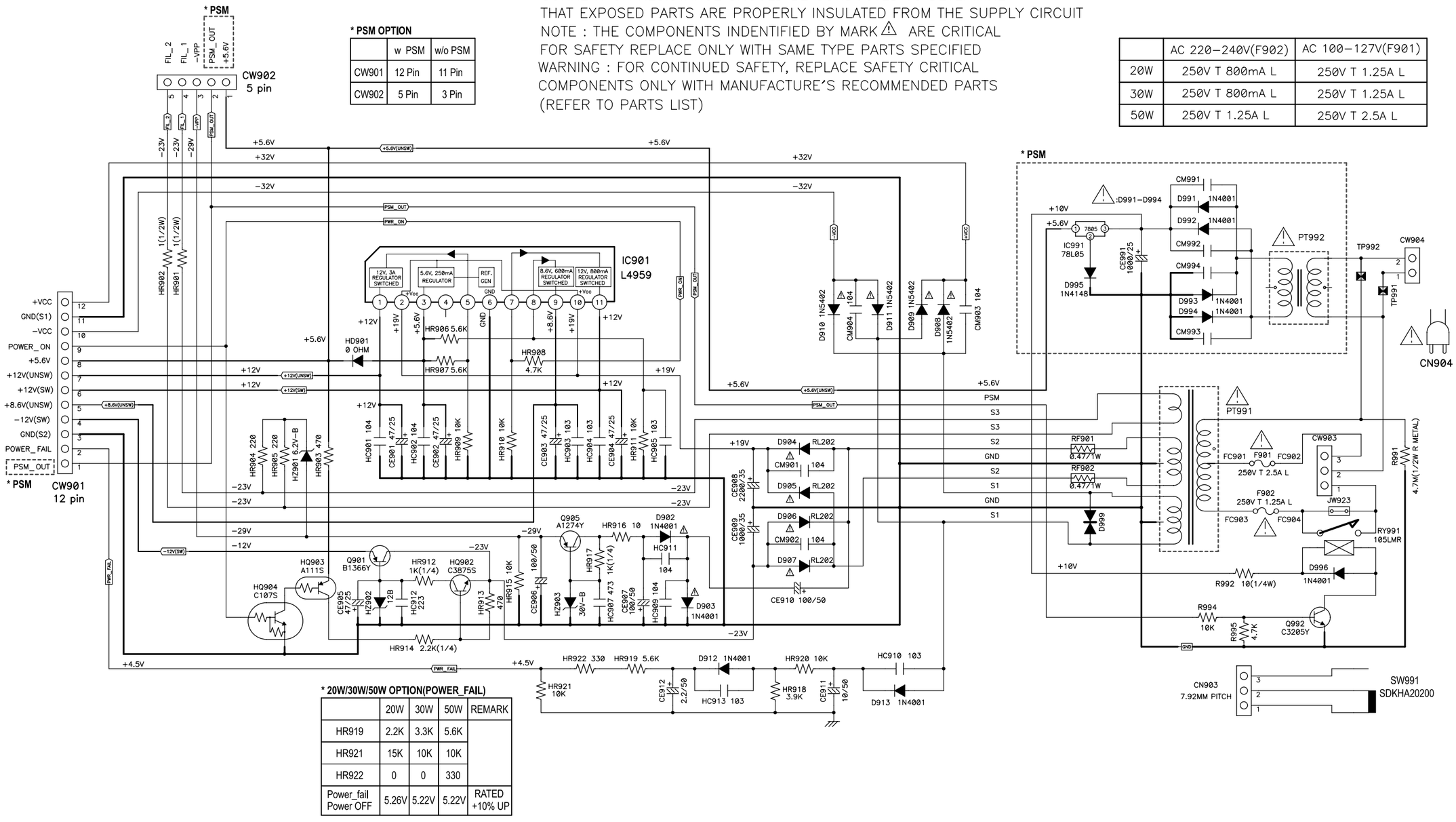
NOTE : THE COMPONENTS INDENTIFIED BY MARK ⚠ ARE CRITICAL FOR SAFETY REPLACE ONLY WITH SAME TYPE PARTS SPECIFIED

WARNING : FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS (REFER TO PARTS LIST)

	AC 220~240V(F902)	AC 100~127V(F901)
20W	250V T 800mA L	250V T 1.25A L
30W	250V T 800mA L	250V T 1.25A L
50W	250V T 1.25A L	250V T 2.5A L

*** PSM OPTION**

	w PSM	w/o PSM
CW901	12 Pin	11 Pin
CW902	5 Pin	3 Pin

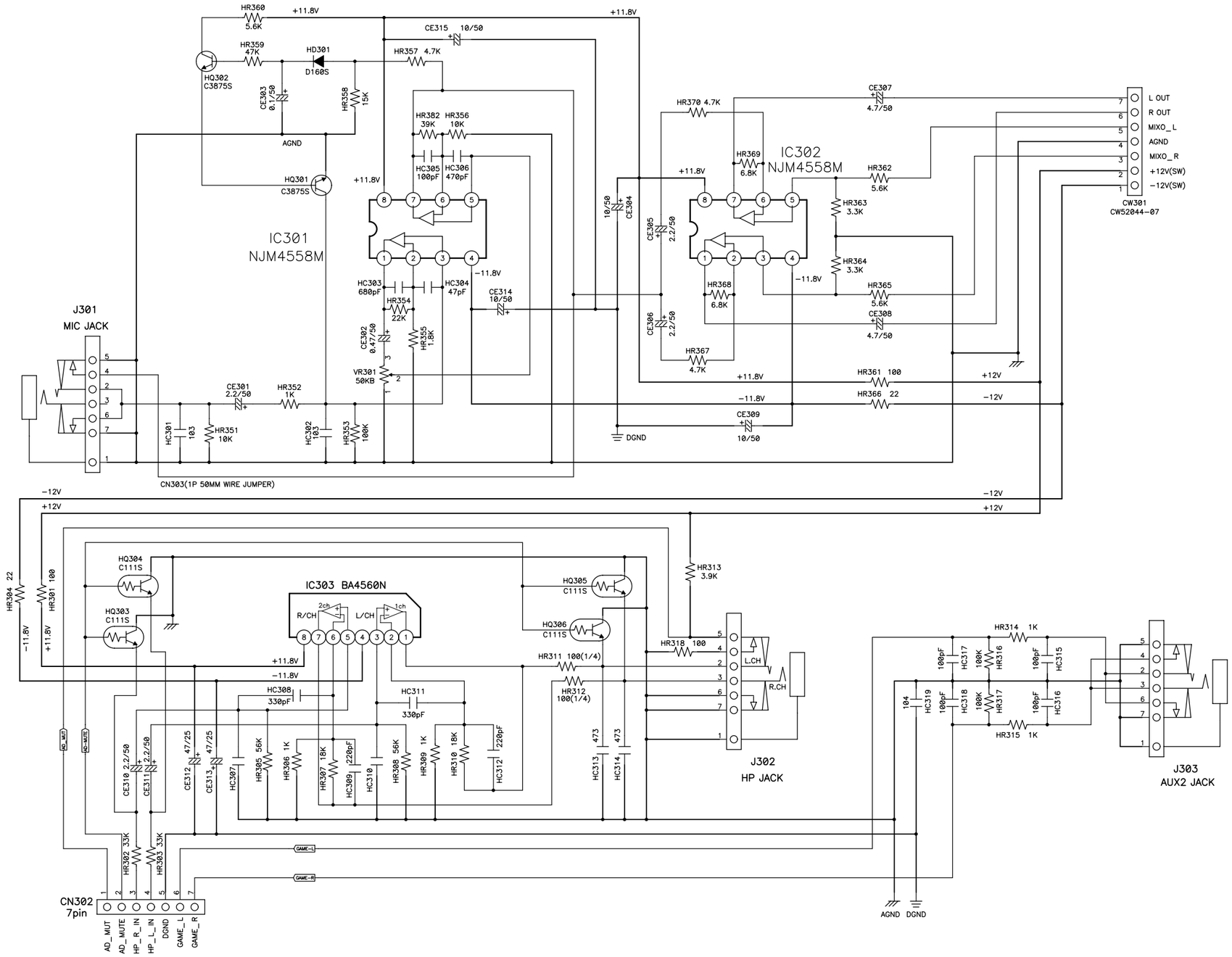


*** 20W/30W/50W OPTION(POWER_FAIL)**

	20W	30W	50W	REMARK
HR919	2.2K	3.3K	5.6K	
HR921	15K	10K	10K	
HR922	0	0	330	
Power_fail Power OFF	5.26V	5.22V	5.22V	RATED +10% UP

Schematic Diagram

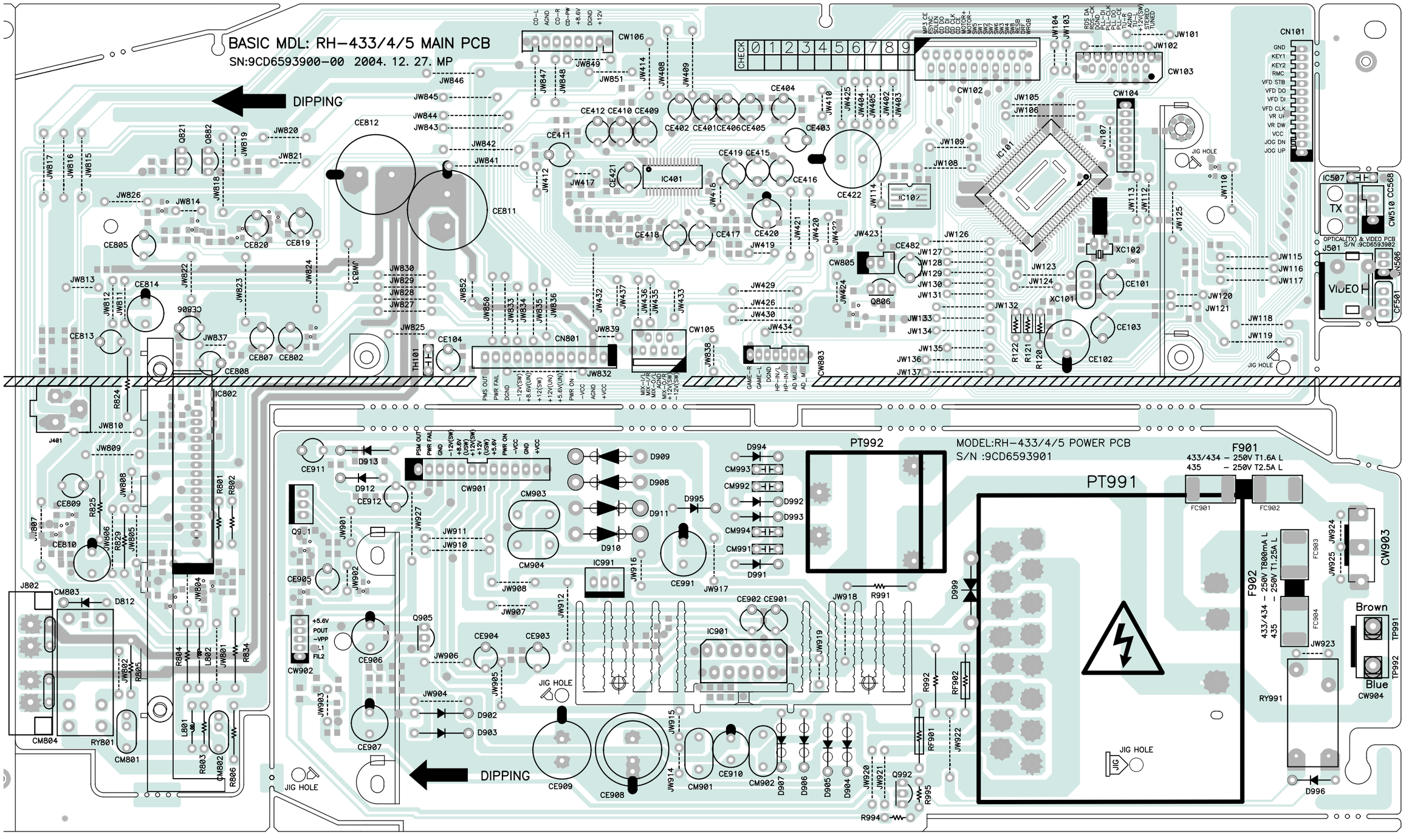
• JACK



P.C.B Pattern Layout

• MAIN & POWER

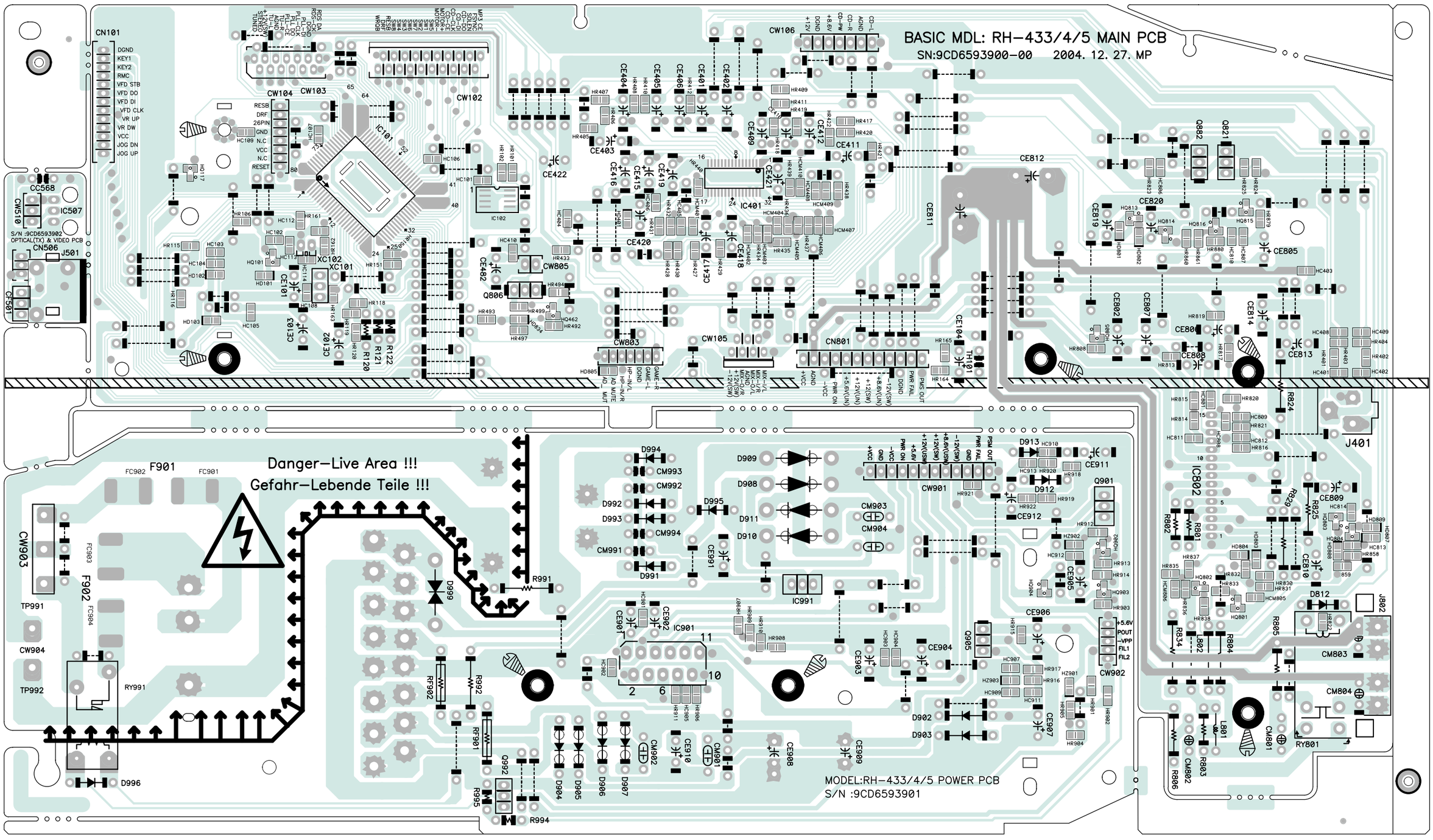
<Top View>



P.C.B Pattern Layout

• MAIN & POWER

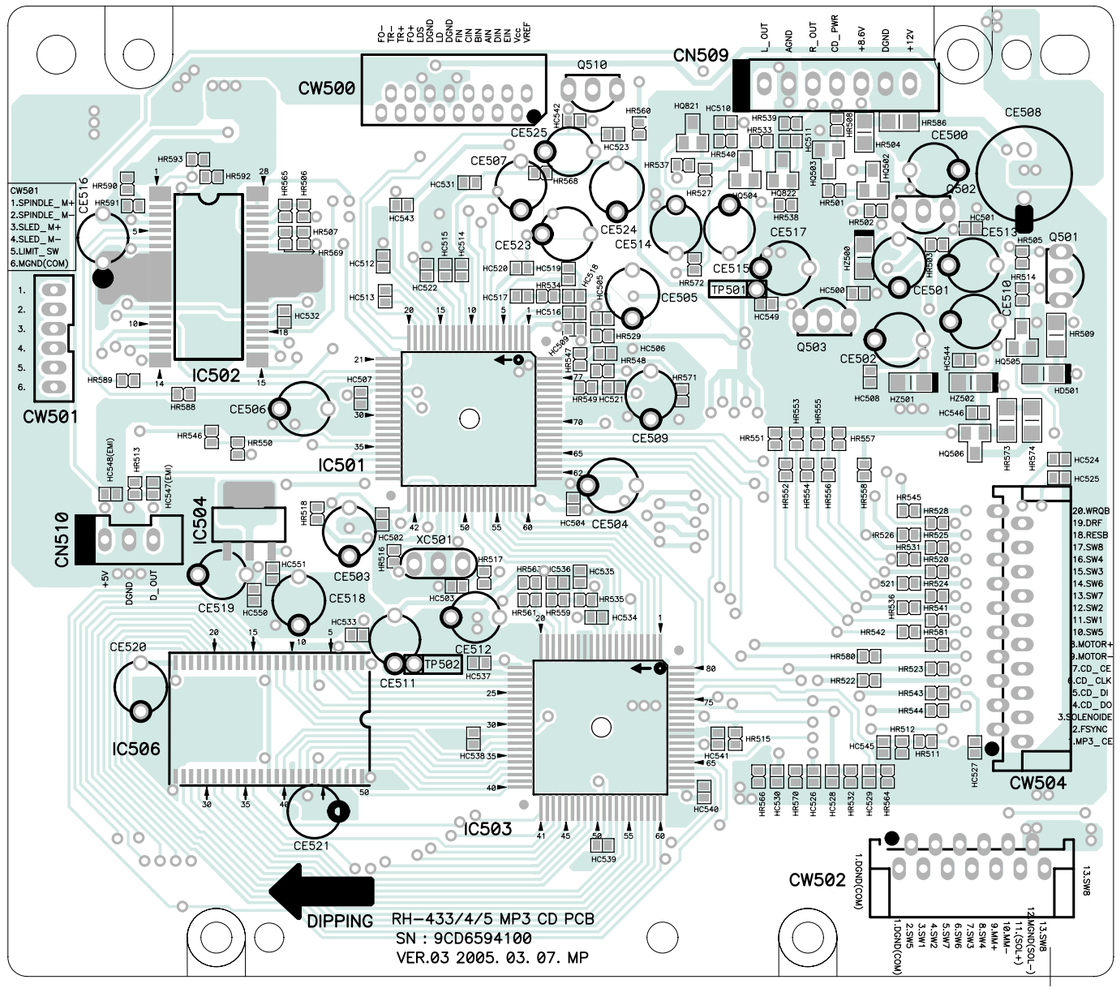
<Bottom View>



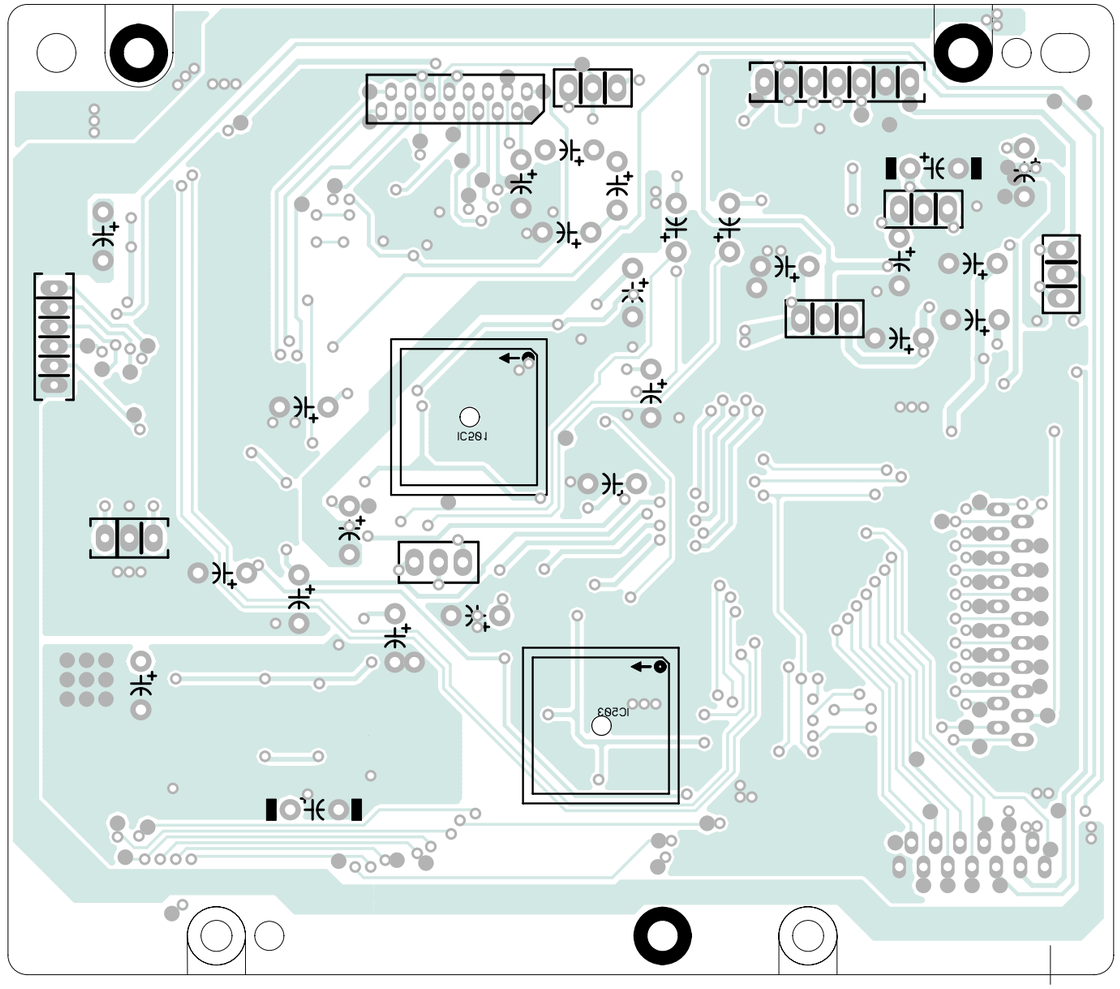
P.C.B Pattern Layout

• MP3 CD

<Top View>



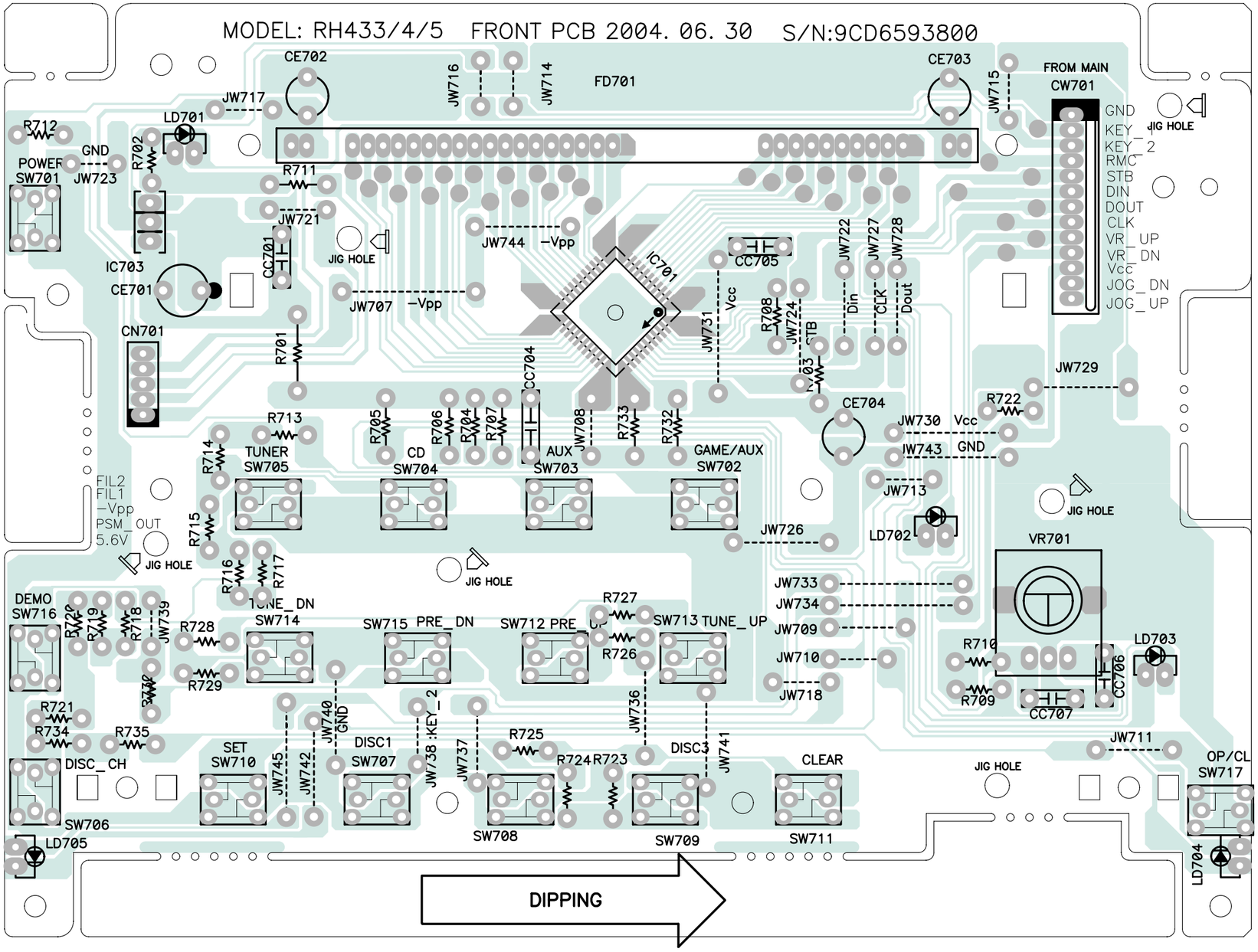
<Bottom View>



P.C.B Pattern Layout

• **FRONT**

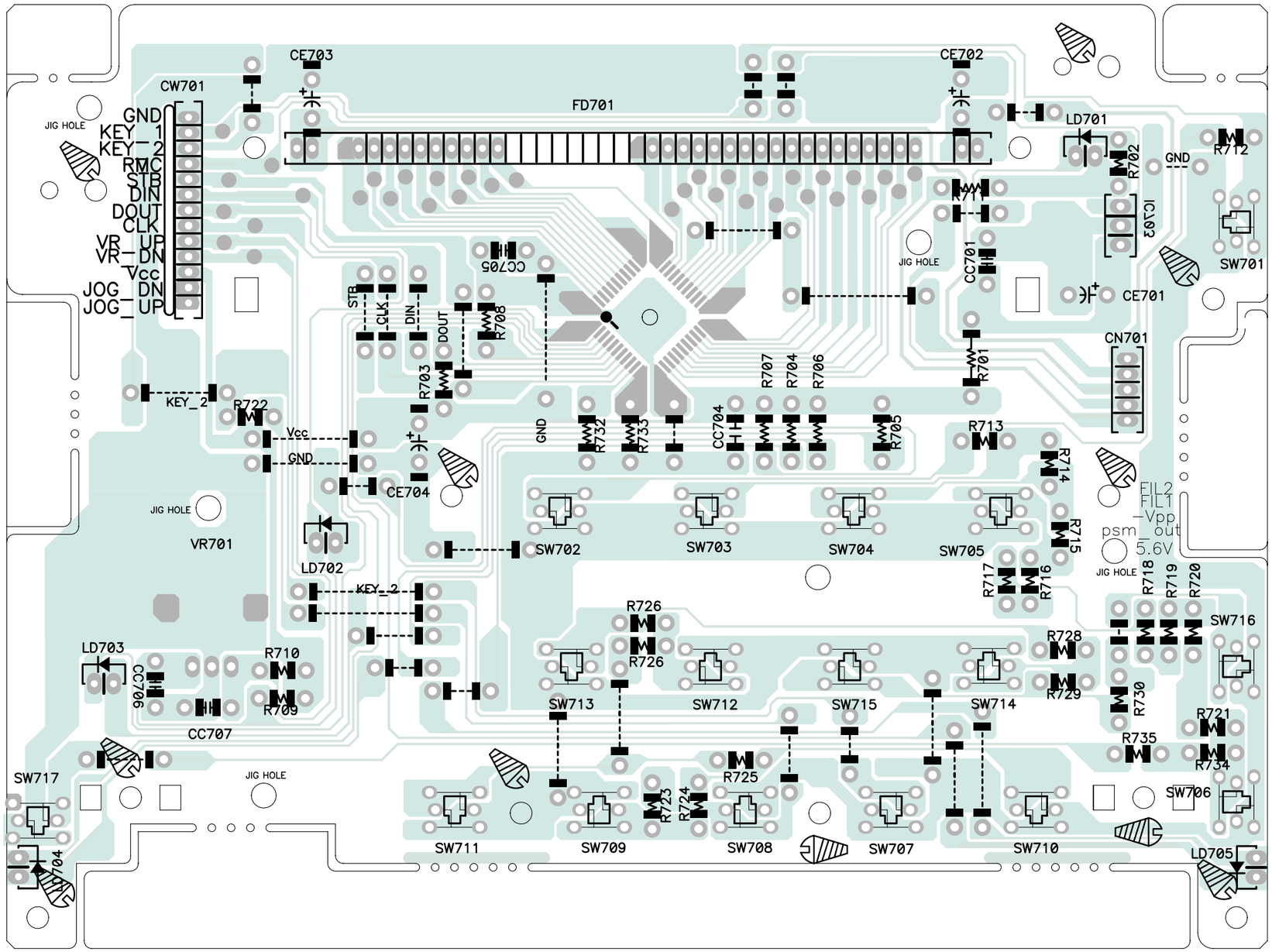
<Top View>



P.C.B Pattern Layout

• **FRONT**

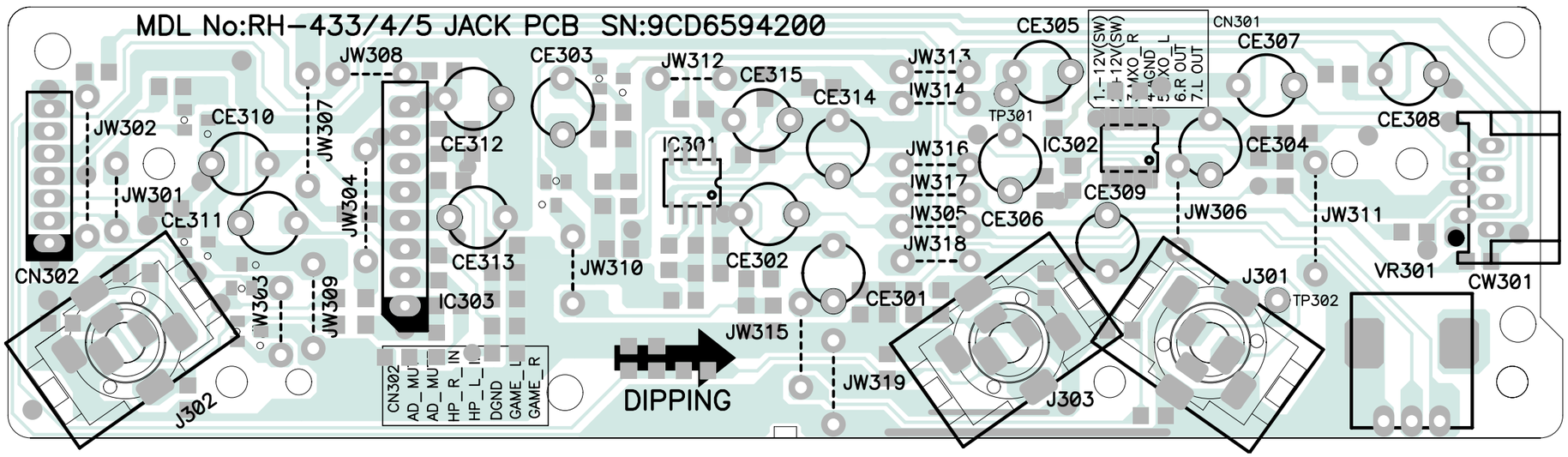
<Bottom View>



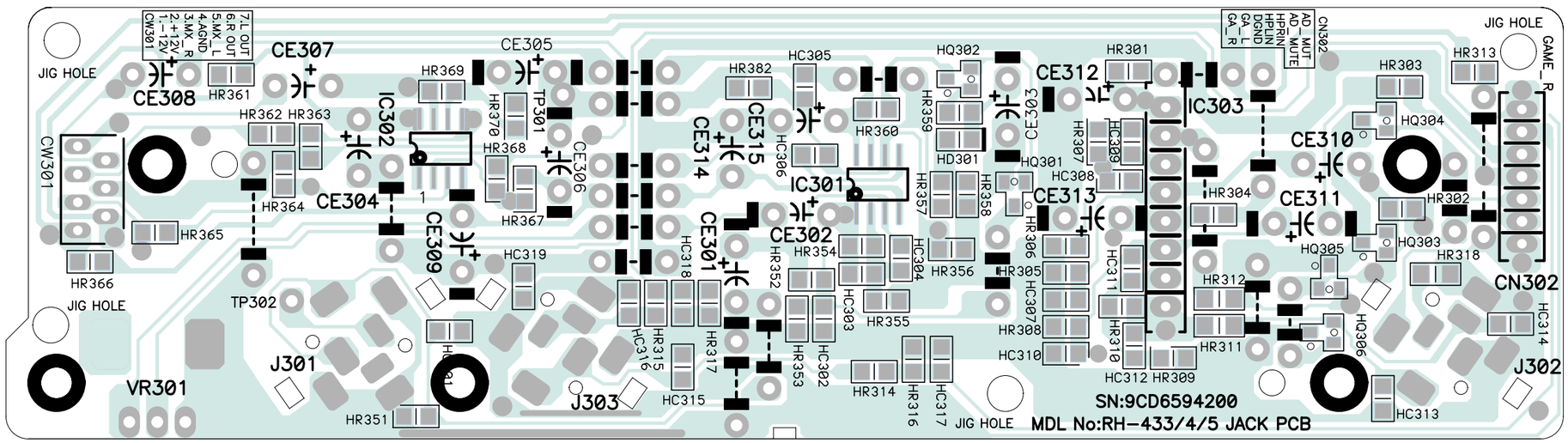
P.C.B Pattern Layout

• **JACK**

<Top View>



<Bottom View>



Electrical Part List

PCB MAIN Ass'y [9CDC073600] : RH-435

Loc.	Part Code	Part Name	Description	Remark
B100	9CD6593900-01	PCB MAIN	330MM X 197MM	
CE101	CEXF1H109V-X	C ELECTRO	50V RSS 1MF (5X11) TP	
CE102	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X17)	
CE103	CEXF1C101V-X	C ELECTRO	16V RSS 100MF (6.3X11) TP	
CE104	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE401	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE402	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE403	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE404	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE405	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE406	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE409	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE410	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE411	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE412	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE415	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE416	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE417	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE418	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE419	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE420	CEXF1C221V-X	C ELECTRO	16V RSS 220MF (6X12) TP	
CE421	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE422	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X17)	
CE482	CEXF1E470V-X	C ELECTRO	25V RSS 47MF (5X11) TP	
CE802	CEXF1H109V-X	C ELECTRO	50V RSS 1MF (5X11) TP	
CE805	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE806	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE807	CEXF1H229V-X	C ELECTRO	50V RSS 2.2MF (5X11) TP	
CE808	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE809	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE810	CEXF1H101V-X	C ELECTRO	50V RSS 100MF (8X12) TP	
CE811	CEXF1H332V	C ELECTRO	50V RSS 3300MF (26X41)	
CE812	CEXF1H332V	C ELECTRO	50V RSS 3300MF (26X41)	
CE813	CEXF1H100V-X	C ELECTRO	50V RSS 10MF (5X11) TP	
CE814	CEXF1H101V-X	C ELECTRO	50V RSS 100MF (8X12) TP	
CE819	CEXF1E470V-X	C ELECTRO	25V RSS 47MF (5X11) TP	
CE820	CEXF1H109V-X	C ELECTRO	50V RSS 1MF (5X11) TP	
CM801	CMXM2A104J-X	C MYLAR	100V 0.1MF J	
CM802	CMXM2A104J-X	C MYLAR	100V 0.1MF J	
CN101	9736407600	CONN PIN	53095-1310 13PIN BASE	
CN103	9728823700	CONN AS	FFC 1.25*13*220 D(R) TYPE	
CN105	9728827400	CONN AS	FFC 1.25*07*230 D(R) TYPE	
CN801	9728824100	CONN AS	1007 #22 11P 220MM P=2.5	
CW102	9CD6260200	WAFER	52492-2020	
CW103	9CD6275500	WAFER	12511HS-13A00	
CW105	9CD6259900	WAFER	52492-0720	
CW106	2503-WS-07	WAFER	7P 2.5MM	
CW803	2001-WS-07	WAFER	7P 2.0MM	
CW805	2001-WS-02	WAFER	2P 2.0MM	
D812	DIN4001---	DIODE	IN4001	
FAN001	9738101700	DC Fan	SP602512M-03(DC12V, 0.11A)	
HC101	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608	
HC102	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC103	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608	
HC104	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC105	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC106	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC107	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC108	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC109	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HC112	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC113	HCQK150JBA	C CHIP CERA	50V CH 15PF J 1608	
HC114	HCQK180JBA	C CHIP CERA	50V CH 18PF J 1608	
HC401	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC402	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC403	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC404	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC405	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC406	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC408	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC409	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC410	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC801	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC806	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC807	HCBK152KBA	C CHIP CERA	50V X7R 1500PF K 1608	
HC808	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC809	HCQK309JBA	C CHIP CERA	50V CH 3PF 1608	
HC810	HCBK152KBA	C CHIP CERA	50V X7R 1500PF K 1608	
HC811	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC812	HCQK309JBA	C CHIP CERA	50V CH 3PF 1608	
HC813	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
HC814	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF M 1608	
HCM401	HCBK224KBA	C CHIP CERA	50V X7R 0.22MF Z 1608	
HCM402	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HCM403	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HCM404	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HCM405	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HCM406	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HCM407	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HCM408	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608	
HCM409	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HCM410	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HCM805	HCBK273KBA	C CHIP CERA	50V X7R 0.027MF M 1608	
HCM806	HCBK273KBA	C CHIP CERA	50V X7R 0.027MF M 1608	
HD101	DZDS160---	DIODE SW CHIP	KDS160	
HD102	DZDS160---	DIODE SW CHIP	KDS160	
HD401	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HD801	DZDS160---	DIODE SW CHIP	KDS160	
HD802	DZDS160---	DIODE SW CHIP	KDS160	
HD803	DZDS160---	DIODE SW CHIP	KDS160	
HD804	DZDS160---	DIODE SW CHIP	KDS160	
HD805	DZDS160---	DIODE SW CHIP	KDS160	
HD807	DZDS160---	DIODE SW CHIP	KDS160	
HD808	DZDS160---	DIODE SW CHIP	KDS160	
HD809	DZDS160---	DIODE SW CHIP	KDS160	
HD834	DZDS160---	DIODE SW CHIP	KDS160	
HQ101	TZRC107S--	TR CHIP	KRC107S	
HQ462	TZTC3875S-	TR CHIP	KTC3875S	
HQ801	TZTC3875S-	TR CHIP	KTC3875S	
HQ802	TZTC3875S-	TR CHIP	KTC3875S	
HQ803	TZRC107S--	TR CHIP	KRC107S	
HQ804	TZTA1504S-	TR CHIP	KTA1504Y	
HQ805	TZRA107S--	TR CHIP	KRA107S	
HQ813	TZRA107S--	TR CHIP	KRA107S	
HQ814	TZRA107S--	TR CHIP	KRA107S	
HQ815	TZTD1304--	TR CHIP	KTD1304	
HQ816	TZTD1304--	TR CHIP	KTD1304	
HR101	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR102	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR106	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR115	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR116	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608	
HR118	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR119	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR120	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR151	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR161	HRFT106JBA	R CHIP	1/10W 10M OHM J 1608	
HR162	HRFT334JBA	R CHIP	1/10 330K OHM J 1608	
HR163	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR164	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR165	HRFT273JBA	R CHIP	1/10W 27K OHM J 1608	
HR401	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR402	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR403	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR404	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR405	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR406	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR407	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR408	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR409	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR410	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR411	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR412	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR417	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR418	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR419	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR420	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR421	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR422	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR427	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR428	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR429	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR430	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR431	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR432	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR433	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR434	HRFT394JBA	R CHIP	1/10W 390K OHM J 1608	
HR435	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR436	HRFT394JBA	R CHIP	1/10W 390K OHM J 1608	
HR437	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR438	HRFT683JBA	R CHIP	1/10 68K OHM J 1608	
HR439	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR440	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR492	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR493	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR494	HRF2220JEA	R CHIP	1/2W 22 OHM J 3216	
HR497	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR499	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR808	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR813	HRFT563JBA	R CHIP	1/10 56K OHM J 1608	
HR814	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR815	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR816	HRFT563JBA	R CHIP	1/10 56K OHM J 1608	
HR817	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR819	HRFT563JBA	R CHIP	1/10 56K OHM J 1608	
HR820	HRFT122JBA	R CHIP	1/10 1.2K OHM J 1608	
HR821	HRFT563JBA	R CHIP	1/10 56K OHM J 1608	
HR822	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR823	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR824	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR825	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR830	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR831	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR832	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR833	HRFT273JBA	R CHIP	1/10W 27K OHM J 1608	
HR835	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608	
HR836	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR837	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR838	HRFT273JBA	R CHIP	1/10W 27K OHM J 1608	
HR858	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR859	HRFT273JBA	R CHIP	1/10W 27K OHM J 1608	
HR860	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR861	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR879	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR880	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
IC101	1LC875D433	IC u-COM	LC875D80B-55J9	
IC102	1M24C04MN-	IC EEPROM	M24C04MN SOP	
IC401	1BD3872FS-	IC FUNCTION	ICBD3872FS IC FUNCTION(VOLUME)	
IC802	1STK433060	IC POWER	STK433-060	
J401	9CD6313700	JACK RCA	S-436P	
J802	9736320500	JACK SPEAKER	CJ9007-040	
Q806	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)	
Q821	TZTC3198Y-	TR	KTC3198Y (2SC5343) AUTO	
Q882	TZTC3205Y-	TR	KTC3205Y (KTC2236Y) AUTO	
R120	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R121	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J	
R122	W581GY6095	WIRE JUMPER	AWG22 1/0.65 SN 6 AUTO	
R801	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO	
R802	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO	
R803	W581GY1005	WIRE JUMPER	AWG22 1/0.65 SN 10 AUTO	
R804	W581GY1505	WIRE JUMPER	AWG22 1/0.65 SN 15 AUTO	
R805	RN01B479JS	R METAL FILM	1W 4.7 OHM J SMALL	
R806	RN01B479JS	R METAL FILM	1W 4.7 OHM J SMALL	
R824	RN01B101JS	R METAL FILM	1W 100 OHM J SMALL	
R825	RN01B101JS	R METAL FILM	1W 100 OHM J SMALL	
R829	RN02B228JS	R METAL FILM	2W 0.22 OHM J SMALL	
R834	RN02B228JS	R METAL FILM	2W 0.22 OHM J SMALL	
RY801	5SC0201103	SW RELAY	HR-CR323 2C-1P DC12V	
TH101	DDKSF103HF	THERMISTOR	DKSF103HF	
TU001	9737652101	TUNER MODULE	KST-MP001MA0-60D	
XC101	5PCST10MTW	RESONATOR CERA	CST10.00MTW	
XC102	5XA32R768C	X-TAL	C38T 32.768KHz 20PPM	

PCB AUX/JACK Ass'y [9CDC073800] : RH-433/4/5

Loc.	Part Code	Part Name	Description	Remark
B300	9CD6594200	PCB AUX/JACK	139MM X 163MM	
CE301	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE302	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11)	
CE303	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11)	
CE304	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE305	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE306	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE307	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11)	
CE308	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11)	
CE309	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE310	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE311	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE312	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE313	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE314	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE315	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CN302	9728823800	CONN AS	1007 #26 7P 280MM P=2.0	
CN303	9728828500	CONN AS	AWG26 1P 50MM BLK	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
CW301	9CD6278600	WAFER	12511HR-07A01	
HC301	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC302	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC303	HCQK681JBA	C CHIP CERA	50V CH 680PF J 1608	
HC304	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608	
HC305	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC306	HCQK471JBA	C CHIP CERA	50V CH 470PF J 1608	
HC308	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC309	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC311	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
HC312	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
HC313	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC314	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC315	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC316	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC317	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC318	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
HC319	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HD301	DZDS160---	DIODE SW CHIP	KDS160	
HQ301	TZTC3875S-	TR CHIP	KTC3875S	
HQ302	TZTC3875S-	TR CHIP	KTC3875S	
HQ303	TZRC111S--	TR CHIP	KRC111S	
HQ304	TZRC111S--	TR CHIP	KRC111S	
HQ305	TZRC111S--	TR CHIP	KRC111S	
HQ306	TZRC111S--	TR CHIP	KRC111S	
HR301	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR302	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR303	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR304	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR305	HRFT563JBA	R CHIP	1/10 56K OHM J 1608	
HR306	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR307	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR308	HRFT563JBA	R CHIP	1/10 56K OHM J 1608	
HR309	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR310	HRFT183JBA	R CHIP	1/10 18K OHM J 1608	
HR311	HRF4101JEA	R CHIP	1/4W 100 OHM J 3216	
HR312	HRF4101JEA	R CHIP	1/4W 100 OHM J 3216	
HR313	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608	
HR314	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR315	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR316	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR317	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR318	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR351	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR352	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR353	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR354	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
HR355	HRFT182JBA	R CHIP	1/10 1.8K OHM J 1608	
HR356	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR357	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR358	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR359	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR360	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR361	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR362	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR363	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR364	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR365	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR366	HRFT220JBA	R CHIP	1/10 22 OHM J 1608	
HR367	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR368	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR369	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR370	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR382	HRFT393JBA	R CHIP	1/10W 39K OHM J 1608	
IC301	1NJM4558M-	IC CHIP OP AMP	NJM4558M	
IC302	1NJM4558M-	IC CHIP OP AMP	NJM4558M	
IC303	1BA4560N--	IC H/P AMP	BA4560N	
J301	9736325300	JACK H/P	HTJ-035-18A	
J302	9736325300	JACK H/P	HTJ-035-18A	
J303	9736325300	JACK H/P	HTJ-035-18A	
VR301	5V1503730B	VOL MIC	XV09211NPV20F1B50K	

PCB MP3CD Ass'y [9CDC074000] : RH-433/4/5(W/OPTICAL)

Loc.	Part Code	Part Name	Description	Remark
B500	9CD6594100-01	PCB MP3CD	100X114mm, CM-3	
CE500	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE501	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE502	CEXP1C101V	C ELECTRO	16V REM 100MF	
CE503	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE504	CEXP1C101V	C ELECTRO	16V REM 100MF	
CE505	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE506	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE507	CEXF1E330V	C ELECTRO	25V RSS 33MF (5X11)	
CE508	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X17)	
CE509	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)	
CE510	CEXP1C101V	C ELECTRO	16V REM 100MF	
CE511	CEXP1C221V	C ELECTRO	16V REM 220MF	
CE512	CEXP1H109V	C ELECTRO	50V REM 1MF (4X7)	
CE513	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE514	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE515	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE516	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE517	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE518	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE519	CEXF1E220V	C ELECTRO	25V RSS 22MF (5X11)	
CE520	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)	
CE521	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11)	
CE523	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE524	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CE525	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CN500	9728823500	CONN AS	FFC 1.0*16*80 C(K) TYPE	
CN501	97L8800600-2	CONN AS	#26 UL 20080 6P PLUG TO 6P PLUG PH=2.0 L-250MM	
CN502	9728823600	CONN AS	FFC 1.25*13*140 D(R) TYPE	
CN504	9728823400	CONN AS	FFC 1.25*20*320 C(K) TYPE	
CN509	9728823900	CONN AS	#26/28 7P 330MM P=2.5	
CW500	9CD6283200	WAFER	FCZ100E-16SS-K	
CW501	2001-WS-06	WAFER	6P 2.0MM	
CW502	9CD6279200	WAFER	12511HR-13A00	
CW504	9CD6279900	WAFER	12511HR-20A00	
HC500	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC501	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC502	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC503	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC504	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC505	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC506	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC507	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC508	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC509	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC510	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
HC511	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HC512	HCBK563KBA	C CHIP CERA	50V X7R 0.056MF M 1608	
HC513	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC514	HCBK563KBA	C CHIP CERA	50V X7R 0.056MF M 1608	
HC515	HCBK683KBA	C CHIP CERA	50V X7R 0.068MF M 1608	
HC516	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC517	HCBK472KBA	C CHIP CERA	50V X7R 4700PF K 1608	
HC519	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC520	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC521	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC522	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC523	HCBK105KBA	C CHIP CERA	50V X7R 1MF K 1608	
HC524	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC525	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC526	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC527	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC528	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC529	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC530	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC531	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC533	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC534	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC535	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC536	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC537	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC538	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC539	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC540	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC541	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC542	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
HC544	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC545	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608	
HC546	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC549	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC550	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC551	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HD501	DZDS160---	DIODE SW CHIP	KDS160	
HQ502	TZTA1504S-	TR CHIP	KTA1504Y	
HQ503	TZTC3875S-	TR CHIP	KTC3875S	
HQ504	TZRA107S--	TR CHIP	KRA107S	
HQ505	TZRC107S--	TR CHIP	KRC107S	
HQ506	TZTC3875S-	TR CHIP	KTC3875S	
HQ821	TZTD1304--	TR CHIP	KTD1304	
HQ822	TZTD1304--	TR CHIP	KTD1304	
HR501	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR502	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR503	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR504	HRF2109JEA	R CHIP	1/2W 1 OHM J 3216	
HR505	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR506	HRFT683JBA	R CHIP	1/10 68K OHM J 1608	
HR507	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR508	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR509	HRF4229JEA	R CHIP	1/4W 2.2 OHM J 3216	
HR511	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR512	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR513	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR514	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
HR515	HRFT102JBA	R CHIP	1/10 1K OHM J 1608	
HR516	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR517	HRFT470JBA	R CHIP	1/10 47 OHM J 1608	
HR518	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR520	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HR521	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR522	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR523	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR524	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR525	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR526	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR527	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR528	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR529	HRFT820JBA	R CHIP	1/10 82 OHM J 1608	
HR531	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR532	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR533	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR534	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HR535	HRFT820JBA	R CHIP	1/10 82 OHM J 1608	
HR536	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR537	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR538	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR539	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR540	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR541	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR542	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR543	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR544	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR545	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR546	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
HR547	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR548	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	
HR549	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	
HR550	HRFT104JBA	R CHIP	1/10 100K OHM J 1608	
HR551	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR552	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR553	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR554	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR555	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR556	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR557	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR558	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR559	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608	
HR560	HRFT339JBA	R CHIP	1/10W 3.3 OHM J 1608	
HR561	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
HR563	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
HR564	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR565	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR566	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR568	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
HR569	HRFT153JBA	R CHIP	1/10 15K OHM J 1608	
HR570	HRFT682JBA	R CHIP	1/10 6.8K OHM J 1608	
HR571	HRFT225JBA	R CHIP	1/10 2.2M OHM J 1608	
HR572	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR573	HRF4821JEA	R CHIP	1/4W 820 OHM J 3216	
HR574	HRF4100JEA	R CHIP	1/4W 10 OHM J 3216	
HR580	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR581	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR586	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HR588	HRFT123JBA	R CHIP	1/10 12K OHM J 1608	
HR589	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR590	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR591	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
HR592	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HR593	HRFT333JBA	R CHIP	1/10 33K OHM J 1608	
HZ500	DRLZ5R6B--	DIODE ZENER CHIP	RLZ5.6B	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
HZ501	DRLZ3R9B--	DIODE ZENER CHIP	RLZ3.9B	
HZ502	DRLZ5R6B--	DIODE ZENER CHIP	RLZ5.6B	
IC501	1LC78648E-	IC SERVO + DSP	LC78648E(CD SERVO+DSP)	
IC502	1IP9005---	IC MOTOR DRIVE	IP9005 (motor driver)	
IC503	1LC78684E-	IC MP3 DECORDER	LC78684E(mp3 decoder)	
IC504	1IP111718-	IC REGULATOR	IP1117-18	
IC506	1HY57V1616	IC SDRAM	HY57V1616	
Q501	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)	
Q502	TZSC2331Y-	TR	KSC2331Y AUTO	
Q503	TZSC2331Y-	TR	KSC2331Y AUTO	
Q510	TZTA1273Y-	TR	KTA1273Y (A966Y) (KSA928A-Y)	
TP501	W1-BK75021	WIRE LEAD	1P #22 75MM BK UL 1007	
XC501	5PQZTT1693	RESONATOR CERA	QZTT16.93MMX(3PIN)	

PCB FRONT Ass'y [9CDC073700] : RH-433/4/5

Loc.	Part Code	Part Name	Description	Remark
B700	9CD6593800	PCB FRONT	163x122mm	
CC701	CCZF1E223Z	C CERA	HIKF 25V 0.022MF Z (AXIAL)	
CC704	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)	
CC705	CCZF1H104Z	C CERA	HIKF 50V 0.1MF Z (AXIAL)	
CC706	CCZB1H101K	C CERA	HIKB 50V 100PF K (AXIAL)	
CC707	CCZB1H101K	C CERA	HIKB 50V 100PF K (AXIAL)	
CE701	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE702	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE703	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CE704	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11)	
CN701	9728824200	CONN AS	1571#28 3P 100MM P=2.0	
CW701	9736407700	PIN WAFER	52084-1310 13P BOTTOM	
FD701	DHNA10SS36	VFD	HNA10SS36	
IC701	1PT6315---	IC	PT6315	
IC703	1354HF----	IC RMC	354HF	
LD702	DML3FB23H-	LED	ML3FB23H-JEC	
LD703	DML3FB23H-	LED	ML3FB23H-JEC	
LD704	DML3FB23H-	LED	ML3FB23H-JEC	
LD705	DML3FB23H-	LED	ML3FB23H-JEC	
R701	RD-AZ100J-	R CARBON FILM	1/6 10 OHM J	
R703	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R704	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R705	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R706	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R707	RD-4Z820J-	R CARBON FILM	1/4 82 OHM J	
R708	RD-AZ104J-	R CARBON FILM	1/6 100K OHM J	
R709	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R710	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R712	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R713	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R714	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
R715	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J	
R716	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R717	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J	
R718	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R719	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
R720	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J	
R721	RD-AZ152J-	R CARBON FILM	1/6 1.5K OHM J	
R722	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
R723	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J	
R724	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
R725	RD-AZ271J-	R CARBON FILM	1/6 270 OHM J	
R726	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
R727	RD-AZ391J-	R CARBON FILM	1/6 390 OHM J	
R728	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
R729	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
R730	RD-AZ821J-	R CARBON FILM	1/6 820 OHM J	
R732	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R733	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R734	RD-AZ272J-	R CARBON FILM	1/6 2.7K OHM J	
R735	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
SW701	5S50101001	SW TACT	KPT-1105A IC-1P	
SW702	5S50101001	SW TACT	KPT-1105A IC-1P	
SW703	5S50101001	SW TACT	KPT-1105A IC-1P	
SW704	5S50101001	SW TACT	KPT-1105A IC-1P	
SW705	5S50101001	SW TACT	KPT-1105A IC-1P	
SW706	5S50101001	SW TACT	KPT-1105A IC-1P	
SW707	5S50101001	SW TACT	KPT-1105A IC-1P	
SW708	5S50101001	SW TACT	KPT-1105A IC-1P	
SW709	5S50101001	SW TACT	KPT-1105A IC-1P	
SW710	5S50101001	SW TACT	KPT-1105A IC-1P	
SW711	5S50101001	SW TACT	KPT-1105A IC-1P	
SW712	5S50101001	SW TACT	KPT-1105A IC-1P	
SW713	5S50101001	SW TACT	KPT-1105A IC-1P	
SW714	5S50101001	SW TACT	KPT-1105A IC-1P	
SW715	5S50101001	SW TACT	KPT-1105A IC-1P	
SW716	5S50101001	SW TACT	KPT-1105A IC-1P	
SW717	5S50101001	SW TACT	KPT-1105A IC-1P	
VR701	5SH1224375	SW ENCODER	RE0123PVB25FINB 1-2-24 PCE	

PCB POWER Ass'y [9CDC073900] : RH-435

Loc.	Part Code	Part Name	Description	Remark
B900	9CD6593901	PCB POWER	330MM X 197MM	
CE901	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE902	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE903	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE904	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE905	CEXF1E470V	C ELECTRO	25V RSS 47MF (5X11)	
CE906	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X12)	
CE907	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X12)	
CE908	CEXF1V222V	C ELECTRO	35V RSS 2200MF (16X27)	
CE909	CEXF1V102V	C ELECTRO	35V RSS 1000MF (13X22)	
CE910	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X12)	
CE911	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11)	
CE912	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11)	
CM901	CMXM2A104J	C MYLAR	100V 0.1MF J	
CM902	CMXM2A104J	C MYLAR	100V 0.1MF J	
CM903	CMXM2A104J	C MYLAR	100V 0.1MF J	
CM904	CMXM2A104J	C MYLAR	100V 0.1MF J	
CN903	9728827600	CONN AS	1617 #22 3P,VH-3A WAFER	
CN904	9736910800	AC CORD	LY-21 1800MM H03VVH2-F 2*0.75	
CW901	2503-WS-11	WAFER	11P 2.5MM	
CW902	2001-WS-05	WAFER	5P 2.0MM	
CW903	9728827600W	WAFER	3P-5P 8.0MM	
CW904	9728808100	WAFER	GP390-03P-TS-M(W/O CENTER	
D902	DIN4001---	DIODE	IN4001	
D903	DIN4001---	DIODE	IN4001	
D904	DRL202----	DIODE	RL202	
D905	DRL202----	DIODE	RL202	
D906	DRL202----	DIODE	RL202	
D907	DRL202----	DIODE	RL202	
D908	DIN5402---	DIODE	IN5402	
D909	DIN5402---	DIODE	IN5402	
D910	DIN5402---	DIODE	IN5402	
D911	DIN5402---	DIODE	IN5402	
D912	DIN4001---	DIODE	IN4001	

Electrical Part List

Loc.	Part Code	Part Name	Description	Remark
D913	DIN4001---	DIODE	IN4001	
F901	5F1GB2522L	FUSE GLASS TUBE	UL/CSA TL 2.5A 250V MF51	
F902	5FSGB1222L	FUSE GLASS TUBE	VDE TL 1.25A 250V MF51	
FC901	9734600700	FUSE CLIP	FC-5N	
FC902	9734600700	FUSE CLIP	FC-5N	
FC903	9734600700	FUSE CLIP	FC-5N	
FC904	9734600700	FUSE CLIP	FC-5N	
HC901	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC902	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC903	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC904	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC905	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC907	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF M 1608	
HC909	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC910	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HC911	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF Z 1608	
HC912	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF M 1608	
HC913	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF M 1608	
HD901	HRFT000-BA	R CHIP	1/10 0 OHM J 1608	
HQ902	TZTC3875S-	TR CHIP	KTC3875S	
HQ903	TZRA111S--	TR CHIP	KRA111S	
HQ904	TZRC107S--	TR CHIP	KRC107S	
HR901	HRF2109JEA	R CHIP	1/2W 1 OHM J 3216	
HR902	HRF2109JEA	R CHIP	1/2W 1 OHM J 3216	
HR903	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR904	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR905	HRFT221JBA	R CHIP	1/10 220 OHM J 1608	
HR906	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR907	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR908	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
HR909	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR910	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR911	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR912	HRF4102JEA	R CHIP	1/4W 1K OHM J 3216	
HR913	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
HR914	HRF4222JEA	R CHIP	1/4W 2.2K OHM J 3216	
HR915	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR916	HRFT100JBA	R CHIP	1/10 10 OHM J 1608	
HR917	HRF4102JEA	R CHIP	1/4W 1K OHM J 3216	
HR918	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608	
HR919	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
HR920	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR921	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
HR922	HRFT331JBA	R CHIP	1/10 330 OHM J 1608	
HZ901	DRLZ6R2B--	DIODE ZENER CHIP	RLZ6.2B	
HZ902	DRLZ12B---	DIODE ZENER CHIP	RLZ12B	
HZ903	DRLZ30B---	DIODE ZENER CHIP	RLZ30B	
IC901	1L4959----	IC REGULATOR	L4959	
PT991	5TP0074953	TRANS POWER	EI=74X42 110/220V,60/50Hz	
Q901	TZTA1046Y-	TR	KTA1046Y(KTA1366Y) AUTO	
Q905	TZTA1274Y-	TR	KTA1274Y AUTO	
RF901	RF01F4780J-32	R FUSEABLE	1W 0.47 OHM (32倍)	
RF902	RF01F4780J-32	R FUSEABLE	1W 0.47 OHM (32倍)	
SW991	5S30102377	SW VOLTAGE SELE	SDKHA20200	

Electrical Part List-Option Table

1. TUNER MODULE OPTION LIST

Loc.	Part Code	Description	Remark
TU001	9737652001	KST-MP104MA1-60D	4-GANG, w/RDS, 50uS
	9737652101	KST-MP001MA1-60D	3-GANG, w/o RDS, 50uS
	9737652201	KST-MP101MA1-60D	3-GANG, w/RDS, 50uS
	9737652301	KST-MP000MA0-60D	2-GANG, w/o RDS, 75uS
	9737652401	KST-MP001MA0-60D	3-GANG, w/o RDS, 75uS

2. POWER SAVE OPTION

Ass'y	Loc.	Part Name	without POWER SAVE		with POWER SAVE	
POWER	JW923	WIRE JUMPER	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO	X	
	JW927	WIRE JUMPER	X		W581GY17J5	AWG22 1/0.65 SN 17.5 AUTO
	CE991	C ELECTRO	X		CEXF1E102V	25V 1000uF
	CW901	CONN WAFER	9728824100	1007 #22 11P 220MM P=2.5	9728824000	1007 #22 12P 220MM P=2.5
	D991	DIODE RECTIFIER	X		D1N4001---	1N4001
	D992	DIODE RECTIFIER	X		D1N4001---	1N4001
	D993	DIODE RECTIFIER	X		D1N4001---	1N4001
	D994	DIODE RECTIFIER	X		D1N4001---	1N4001
	D995	DIODE	X		D1N4148---	1N4148
	D996	DIODE RECTIFIER	X		D1N4001---	1N4001
	IC991	IC REGULATOR	X		1KIA78L05B	KIA78L05BP
	PT992	TRANS PWR-SUB	X		5TP8028829	28X12 230V 50Hz
	Q992	TR	X		TZTC3205Y-	KTC3205Y
	R992	R CARBON FILM	X		RD-4Z100J-	1/4 10Ω J
	R994	R CARBON FILM	X		RD-AZ103J-	1/6 10KΩ J
	R995	R CARBON FILM	X		RD-AZ472J-	1/6 4.7KΩ J
	RY991	RELAY	X		5SC2001A01	SDT-S-105LMR
FRONT	CN701	CONN AS	9728824200	1571#28 3P 80MM P=2.0	9728824300	1571#28 5P 80MM P=2.0
	JW721	WIRE JUMPER	X		W581GY7595	AWG22 7.5MM
	R702	R CARBON FILM	X		HRFT561JBA	1/6W 3.9K OHM J
	R711	R CARBON FILM	X		RD-4Z561J-	1/4W 560 OHM J
	LD701	LED	X		DLTL16KEE-	LTL-16KEE(RED)PI3.1
MAIN	CN801	CONN WAFER	9728824100	1007 #22 11P 220MM P=2.5	9728824000	1007 #22 12P 220MM P=2.5
	JW135	WIRE JUMPER	X		W581GY1005	AWG22 1/0.65 SN 10 AUTO
	JW110	WIRE JUMPER	X		W581GY1005	AWG22 1/0.65 SN 10 AUTO
	HQ117	TR CHIP	X		TZRA107S--	KRA107S

3. DIGITAL OUT OPTION

PCB Ass'y	Loc.	Part Name	without DIGITAL OUT	with DIGITAL OUT	
MP3CD 9CDC074000	HC547	C CERA	X	HCQK150JBA	50V CH 15PF J 1608
	HC548	C CERA	X	HCBK104KBA	50V X7R 0.1MF Z 1608
	CN510	CONN AS	X	9728827500	1007#26 3P 300MM P=2.5
OPTICAL 9CDC074100	IC507	IC OPTICAL	X	1PLT133T9-	PLT133/T9
	CC568	C CERA	X	CCXF1H104Z	50V F 0.1MF Z
	CW510	CONN AS	X	9728827500	1007#26 3P 300MM P=2.5
	B501	PCB	X	9CD6593902	330MM X 197MM

Electrical Part List-Option Table

4. FAN CONTROL OPTION

PCB Ass'y	Loc.	Part Name	without FAN	with /FAN	
MAIN	CE482	C ELECTRO	X	CEXF1E470V	25V RSS 47MF
	CW805	CONN WAFER	X	2001-WS-02	2PIN, 2.0MM PITCH
	FAN001	DC Fan	X	9738101700	SP602512M-03(DC12V, 0.11A)
	HC410	C CHIP CERA	X	HCBK104KBA	50V X7R 0.1MF Z 1608
	HD834	DIODE SW CHIP	X	DZDS160---	KDS160
	HQ462	TR CHIP	X	TZTC3875S-	KTC3875S
	HR492	R CHIP	X	HRFT103JBA	1/10 10K OHM J 1608
	HR493	R CHIP	X	HRFT472JBA	1/10 4.7K OHM J 1608
	HR494	R CHIP	X	HRF2220JEA	1/2W 22 OHM J 3216
	HR497	R CHIP	X	HRFT103JBA	1/10 10K OHM J 1608
	HR499	R CHIP	X	HRFT472JBA	1/10 4.7K OHM J 1608
	JW424	WIRE JUMPER	X	W581GY7595	AWG22 1/0.65 SN 7.5 AUTO
	JW133	WIRE JUMPER	X	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO
	Q806	TR	X	TZTA1273Y-	KTA1273Y (A966Y) (KSA928A-Y)

5. PROTECT CIRCUIT OPTION

PCB Ass'y	Loc.	Part Name	without PROTECT		with PROTECT	
MAIN	HC813	C CHIP CERA	X		HCBK472KBA	50V X7R 4700PF K 1608
	HC814	C CHIP CERA	X		HCBK333KBA	50V X7R 0.033MF 1608
	HCM805	C CHIP CERA	X		HCBK273KBA	50V X7R 0.027MF 1608
	HCM806	C CHIP CERA	X		HCBK273KBA	50V X7R 0.027MF 1608
	HD803	DIODE SW CHIP	X		DZDS160---	KDS160
	HD804	DIODE SW CHIP	X		DZDS160---	KDS160
	HD807	DIODE SW CHIP	X		DZDS160---	KDS160
	HD808	DIODE SW CHIP	X		DZDS160---	KDS160
	HD809	DIODE SW CHIP	X		DZDS160---	KDS160
	HQ801	TR CHIP	X		TZTC3875S-	KTC3875S
	HQ802	TR CHIP	X		TZTC3875S-	KTC3875S
	HQ803	TR CHIP	X		TZRC107S--	KRC107S
	HQ804	TR CHIP	X		TZTA1504S-	KTA1504Y
	HR830	R CHIP	X		HRFT272JBA	1/10 2.7K OHM J 1608
	HR831	R CHIP	X		HRFT332JBA	1/10 3.3K OHM J 1608
	HR832	R CHIP	X		HRFT562JBA	1/10 5.6K OHM J 1608
	HR833	R CHIP	X		HRFT273JBA	1/10W 27K OHM J 1608
	HR835	R CHIP	X		HRFT272JBA	1/10 2.7K OHM J 1608
	HR836	R CHIP	X		HRFT332JBA	1/10 3.3K OHM J 1608
	HR837	R CHIP	X		HRFT562JBA	1/10 5.6K OHM J 1608
	HR838	R CHIP	X		HRFT273JBA	1/10W 27K OHM J 1608
	HR858	R CHIP	X		HRFT103JBA	1/10 10K OHM J 1608
	HR859	R CHIP	X		HRFT273JBA	1/10W 27K OHM J 1608
	JW804	WIRE JUMPER	X		W581GY7595	AWG22 1/0.65 SN 7.5 AUTO
	JW805	WIRE JUMPER	X		W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO
	R829	R METAL FILM	W581GY1505	AWG22 1/0.65 GY 15 AUTO	RS02B228J-	2W 0.22 OHM J
	R834	R METAL FILM	W581GY1505	AWG22 1/0.65 GY 15 AUTO	RS02B228J-	2W 0.22 OHM J

6. THERMISTOR(TEMPERATURE SENSOR) OPTION

PCB Ass'y	Loc.	Part Name	without TEMPERATURE SENSOR	with TEMPERATURE SENSOR	
MAIN	CE104	C ELECTRO	X	CEXF1H100V	50V RSS 10MF
	HR164	R CHIP	X	HRFT103JBA	1/10 10K OHM J 1608
	HR165	R CHIP	X	HRFT273JBA	1/10W 27K OHM J 1608
	JW131	WIRE JUMPER	X	W581GY1005	AWG22 1/0.65 SN 10 AUTO
	JW118	WIRE JUMPER	X	W581GY12J5	AWG22 1/0.65 SN 12.5 AUTO
	TH101	THERMISTOR	X	DDKSF103HF	DKSF103HF

THIS OPTION IS MEANLESS IF NOT FAN.

Electrical Part List-Option Table

7. OUTPUT POWER OPTION

Loc.	Part Name	20W(433)		30W(434)		50W(435)	
CE811	C ELECTRO	CEXF1V222V	35V RSS 2200MF	CEXF1H222V	50V RSS 2200MF	CEXF1H332V	50V RSS 3300MF
CE812	C ELECTRO	CEXF1V222V	35V RSS 2200MF	CEXF1H222V	50V RSS 2200MF	CEXF1H332V	50V RSS 3300MF
HR814	R CHIP	HRFT182JBA	1/10 1.8K OHM J 1608	HRFT152JBA	1/10 1.5K OHM J 1608	HRFT122JBA	1/10 1.2K OHM J 1608
HR815	R CHIP	HRFT000-BA	1/10 0 OHM 1608	HRFT101JBA	1/10 100 OHM J 1608	HRFT000-BA	1/10 0 OHM 1608
HR817	R CHIP	HRFT000-BA	1/10 0 OHM 1608	HRFT101JBA	1/10 100 OHM J 1608	HRFT000-BA	1/10 0 OHM 1608
HR820	R CHIP	HRFT182JBA	1/10 1.8K OHM J 1608	HRFT152JBA	1/10 1.5K OHM J 1608	HRFT122JBA	1/10 1.2K OHM J 1608
HR919	R CHIP	HRFT222JBA	1/10 2.2K OHM J 1609	HRFT332JBA	1/10 3.3K OHM J 1609	HRFT562JBA	1/10 5.6K OHM J 1609
HR921	R CHIP	HRFT223JBA	1/10 22K OHM J 1609	HRFT103JBA	1/10 10K OHM J 1609	HRFT103JBA	1/10 10K OHM J 1609
HR922	R CHIP	HRFT000-BA	1/10 0 OHM 1608	HRFT221JBA	1/10 220 OHM J 1608	HRFT101JBA	1/10 100 OHM J 1608
IC802	IC POWER	1STK433030	STK433-030	1STK433030	STK433-030	1STK433060	STK433-060
FAN CONTROL OPTION		X		O		O	
THERMISTOR OPTION		X		O		O	
PROTECT OPTION		X		O		O	
PT991	TRANS POWER	5TP8066931	EI=66X45 230V/50Hz	5TP8066929	EI=66X45 230V/50Hz	5TP8074927	EI=74X42 230V/50Hz
F901	FUSE GLASS TUBE	5F1GB1622L	UL/CSA 51S(SB) 1.6A 250V MF51	5F1GB1622L	UL/CSA 51S(SB) 1.6A 250V MF51	5F1GB2522L	UL/CSA 51S(SB) 2.5A 250V MF51
F902	FUSE GLASS TUBE	5FSGB8012L	SEMK0 TL 800MA 250V MF51	5FSGB8012L	SEMK0 TL 800MA 250V MF51	5FSGB1222L	SEMK0 TL 1.25A 250V MF51